

Notice of Allowability

Application No.

10/560,814

Examiner

Ha D. Ho

Applicant(s)

ABRAHAM, SAMUEL

Art Unit

3681

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Application filed 12/15/05.
2. ☒ The allowed claim(s) is/are 5 and 6.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date 12/15/05
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.
2. Authorization for this examiner's amendment was given in a telephone interview with Mr. Jensen on 9/10/07.

3. The application has been amended as follows:

In Specification

- On page 1, --TECHNICAL FIELD-- have been inserted in line 3 (between the title and the 1st paragraph).
- On page 1, --BACKGROUND OF THE INVENTION-- have been inserted between lines 8 and 9 (after the 1st paragraph and before the 2nd paragraph).
- On page 2, --SUMMARY OF THE INVENTION-- have been inserted between lines 9 and 10.
- On page 2, the 3rd paragraph, i.e., "The subject of . . . Claim 1", has been deleted entirely.
- On page 2, --BRIEF DESCRIPTION OF THE DRAWINGS-- have been inserted between lines 24 and 25.

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- On page 2, --DESCRIPTION OF THE PREFERRED EMBODIMENTS-- have been inserted between lines 32 and 33.

In claims

- Claim 5, line 3, "the engine" has been changed to --an engine--
- Claim 5, line 4 "the" has been deleted.
- Claim 5, line 4, "it" has been changed to --the box--.
- Claim 5, line 5 "the" (second occurrence) has been deleted.
- Claim 5, line 6 "the" (first occurrence) has been deleted.
- Claim 5, line 6, "latter" has been changed to --half-shafts--
- Claim 5, line 9 "the" (first occurrence) has been deleted.
- Claim 5, line 11, "the" has been changed to --an--.
- Claim 5, line 13, "the" has been changed to --an--.
- Claim 5, line 16, "it" has been changed to --the sleeve--.
- Claim 5, line 16 "the" has been deleted.
- Claim 5, line 17 "said" has been deleted.
- Claim 5, line 20, "which" has been changed to --the--.
- Claim 5, line 20, a comma ",", has been inserted after "(1)".
- Claim 5, line 21 "said" has been deleted.
- Claim 5, line 21 " , formed in it," have been deleted.
- Claim 5, line 27 "said" (both occurrences) have been deleted.
- Claim 5, line 29, a comma ",", has been inserted after "(19, 20)".
- Claim 5, line 29, "it" has been changed to --the casing,--.

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- Claim 5, line 30 “said” has been deleted.
- Claim 6, line 1 “said” has been deleted.
- Claim 6, line 4 “the” has been deleted.

4. The following is an examiner’s statement of reasons for allowance: The prior art of record does not disclose or render obvious a motivation to provide for a differential installed between two half-shafts as defined by the limitations of claim 5; the differential comprising a box rotating about the axes of the half-shafts, and two bevel gears being keyed on the free ends of the half-shafts and housed inside the box; a casing containing the differential and the half-shafts; each of the half-shafts having a flange which has a plurality of grooves at an end thereof, a sleeve slidable on each of the half-shafts and having grooves formed therein for engaging the grooves of the respective flange, and a semi-circular fork member fixed to the casing and engaging to an annular slot of the sleeve, wherein the fork member is fixed to the casing by two projecting parts, which are aligned and pass through the casing, projecting on opposite sides, and the two projecting parts are formed by two portions which can be connected together in a reversible manner.

5. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

Cited Prior Art

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure: Zimmerman'511, Eidson et al'720, Olen'581, Jikihara'671, Onoue'470, Slesinski et al'255, and Busch et al'668 which each shows a differential having a locking mechanism including a fork for actuating a slidable sleeve into engaging/disengaging positions.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ha D. Ho whose telephone number is 571-272-7091. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles Marmor can be reached on 571-272-7095.

8. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/HDH/
(571) 272-7091
September 11, 2007

/Ha D. Ho/
Primary Examiner, A.U. 3681